

## **CLAIMS**

**I Claim:**

1. A submersible ice fishing troller system, comprising:  
a submersible unit in communication with a control unit;  
a downrigger clip attached to said submersible unit; and  
a line release attached to said submersible unit, wherein said line release has a first jaw and a second jaw for selectively releasing a fishing line.

2. The submersible ice fishing troller system of Claim 1, wherein said line release includes an actuator unit mechanically connected to said first jaw and said second jaw.

3. The submersible ice fishing troller system of Claim 1, wherein said first jaw and said second jaw form an enclosed circular structure when closed.

4. The submersible ice fishing troller system of Claim 1, wherein said first jaw and said second jaw each have a C-shaped structure.

5. The submersible ice fishing troller system of Claim 1, wherein said line release is attached to a rear portion of said submersible unit.

1       6. The submersible ice fishing troller system of Claim 1, wherein said  
2 submersible unit automatically travels to the bottom of an ice floor after said line  
3 release has been opened.

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6       7. The submersible ice fishing troller system of Claim 1, wherein said line  
7 release is attached to one of a plurality of control fins of said submersible unit.

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10      8. The submersible ice fishing troller system of Claim 1, wherein said  
11 submersible unit includes at least a first sonar.

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14      9. The submersible ice fishing troller system of Claim 1, wherein said control  
15 unit has a release switch for allowing a user to control the opening of said line release.

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18      10. The submersible ice fishing troller system of Claim 1, wherein said control  
19 unit includes a joystick for allowing control of said submersible.

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22      11. A submersible ice fishing troller system, comprising:  
23           a submersible unit in communication with a control unit; and  
24           a line release attached to said submersible unit, wherein said line release has a  
25       first jaw and a second jaw for selectively releasing a fishing line.

1           12. The submersible ice fishing troller system of Claim 11, wherein said line  
2 release includes an actuator unit mechanically connected to said first jaw and said  
3 second jaw.

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6           13. The submersible ice fishing troller system of Claim 11, wherein said first  
7 jaw and said second jaw form an enclosed circular structure when closed.

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10          14. The submersible ice fishing troller system of Claim 11, wherein said first  
11 jaw and said second jaw each have a C-shaped structure.

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14          15. The submersible ice fishing troller system of Claim 11, wherein said line  
15 release is attached to a rear portion of said submersible unit.

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18          16. The submersible ice fishing troller system of Claim 11, wherein said  
19 submersible unit automatically travels to the bottom of an ice floor after said line  
20 release has been opened.

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23          17. The submersible ice fishing troller system of Claim 11, wherein said line  
24 release is attached to one of a plurality of control fins of said submersible unit.

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27          18. The submersible ice fishing troller system of Claim 11, wherein said  
28 submersible unit includes at least a first sonar.

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2        19. The submersible ice fishing troller system of Claim 11, wherein said  
3 control unit has a release switch for allowing a user to control the opening of said line  
4 release.

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7        20. The submersible ice fishing troller system of Claim 11, wherein said  
8 control unit includes a joystick for allowing control of said submersible.  
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